EXECUTIVE ORDER U-L-001-0018
New Off-Road Large Spark-Ignition
Engines At & Above 25 Horsepower

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	Е	NGINE FAMILY NAME	ENGINE DISPLACEMENT (liters)	FUEL TYPE			
2003	3NSXB02.532A		2.5	Gasoline or LPG			
DURABILITY HOURS			AL FEATURES & CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE			
N/A		I	tic Converter, Oxygen Sensor	Forklift			
ENGINE MODELS (rated power in horsepower, hp)		See Attachment					

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per brake horsepower-hour (g/bhp-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(2).

(g/bhp-hr)	HC+NOx	CO
Standards	3.0	37.0
Certification Levels	0.5	9.9

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 22 day of July 2002.

Állen Lyons, Chief

Mobile Source Operations Division

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Model Year: 2003

Manufacturer Name: NISSAN MOTOR CO., LTD

Engine Family: 3NSXB02.532A

OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION

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S12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S13.	S14.		S15. ales Cod		S16.	S17.	S18.	S19.	S20.
Engine Model	Engine Code	(Check ALL appropriate)		Eng. Displ. (Liters)	Rated Power (HP)	Rated Speed (RPM)	Peak Torque (FT-LB)	Peak Torque Speed	
		Calif. Only	49- State	50- State	(2.010)	(")	(111111)	(11-23)	(ЯРМ)
H25 NISSAN-1				٧	2.472	45.2	2200	117.9	1600
H25 TCM-1				V	2.472	46.7	2500	119.3	1600
H25 KOMATSU-1				٧	2.472	46.2	2400	119.3	1600
H25 NISSAN-2				٧	2.472	42.7	2200	109.9	1600
H25 TCM-2				V	2.472	44.2	2500	110.7	1600
H25 KOMATSU-2				٧	2.472	43.7	2400	110.7	1600
					;		1000		